

Anti-Human/Mouse/Rat APLN Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA06314

3th Edition

Description: This gene encodes a peptide that functions as an endogenous ligand for the G-protein coupled apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These peptide fragments activate different tissue specific signaling pathways that regulate diverse biological functions including fluid homeostasis, cardiovascular function and insulin secretion. This protein also functions as a coreceptor for the human immunodeficiency virus 1. APLN (Apelin) is a Protein Coding gene. Diseases associated with APLN include Syndrome Of Inappropriate Antidiuretic Hormone and Severe Pre-Eclampsia. Among its related pathways are Peptide ligand-binding receptors and Apelin signaling pathway. GO annotations related to this gene include receptor binding and G-protein coupled receptor binding.

Antigen: Synthesized peptide derived from the C-terminal region of human Apelin.

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Expressed in the brain with highest levels in the frontal cortex, thalamus, hypothalamus and midbrain. Secreted by the mammary gland into the colostrum and the milk.